

Solar Energy- Applications on the Farm

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Types of Solar

- Active (Electric and Heat)
- Passive (Heat and Position)



Solar Availability

- 365 Days/Year
- Sun-Hour – 1 kw produced per square meter of solar panel



Average Missouri Sun -Hours	
Month	Sun-hours
January	2.3
February	3.0
March	4.0
April	5.1
May	5.9
June	6.5
July	6.6
August	5.8
September	4.6
October	3.6
November	2.3
December	1.9

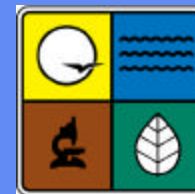
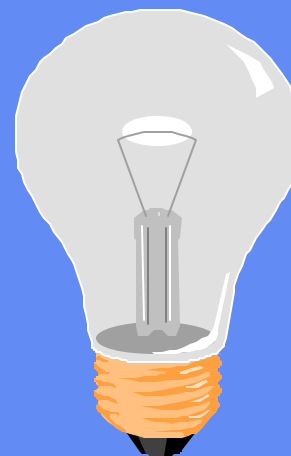


Solar Challenges

- Use as you create
- Storage
- Backup when not available



Solar Creativity



HARVEST THE SUN

**INNOVATIVE USES OF
SUN POWER ON THE FARM**



Typical Ag/Rural Applications

- Water systems (stock watering)
- Water systems (irrigation)
- Warming animal confinements
- Heat houses (with wood backup)
- Dry corn
- Power tools
- Electric fences



EAO Solar Waterpump System

- EPA Grant
- Install 15 systems
- Currently evaluating applications





Future Workable Solar Applications

- Repository of ideas
- New innovations
- Encourage and expand



Display Booth

- Stop by and pickup books
- Give us your ideas
- Mini-conference (later)



Contact Information

Department of Natural Resources
Outreach and Assistance Center
Environmental Assistance Office
Agricultural Unit

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Ask for Glenn Lloyd or Roger Korenberg

